

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/000824

A. CLASSIFICATION OF SUBJECT MATTER																						
Int. Cl. <sup>7</sup> : E04C 3/04, 3/07, 3/32																						
According to International Patent Classification (IPC) or to both national classification and IPC																						
B. FIELDS SEARCHED																						
Minimum documentation searched (classification system followed by classification symbols)																						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: IPC B21D 5/-, E04C 3/- E04B 1/-, F21/IC & keywords; truss, beam, girder, column, hollow, open, void, cavity, flange, lip, tip, ratio, proportion, rolled, formed and similar terms																						
C. DOCUMENTS CONSIDERED TO BE RELEVANT																						
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																				
X	EP 550578 B1 (TUBE TECHNOLOGY PTY LTD) 2 April 1997 See Fig 22(a)	1-12, 15-21, 23-29																				
A	Derwent Abstract Accession No. 91-071965/10, Class P52, SU 1558529-A (UKR METALS RES INST) 23 April 1990																					
A	DT 2459421 A1 (GALLER KG) 24 June 1976																					
A	WO 1994/023149 A1 (BASS) 13 October 1994																					
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C		<input checked="" type="checkbox"/> See patent family annex																				
<p>* Special categories of cited documents:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 2px;">"A"</td> <td style="width: 20%; padding: 2px;">document defining the general state of the art which is not considered to be of particular relevance</td> <td style="width: 20%; padding: 2px;">"T"</td> <td style="width: 40%; padding: 2px;">later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td style="padding: 2px;">"E"</td> <td style="padding: 2px;">earlier application or patent but published on or after the international filing date</td> <td style="padding: 2px;">"X"</td> <td style="padding: 2px;">document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td style="padding: 2px;">"L"</td> <td style="padding: 2px;">document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td style="padding: 2px;">"Y"</td> <td style="padding: 2px;">document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td style="padding: 2px;">"O"</td> <td style="padding: 2px;">document referring to an oral disclosure, use, exhibition or other means</td> <td style="padding: 2px;">"&amp;"</td> <td style="padding: 2px;">document member of the same patent family</td> </tr> <tr> <td style="padding: 2px;">"P"</td> <td style="padding: 2px;">document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family	"P"	document published prior to the international filing date but later than the priority date claimed		
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Date of the actual completion of the international search 15 July 2004	Date of mailing of the international search report 22 JUL 2004																					
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer <b>VINCE BAGUSAUSKAS</b> Telephone No : (02) 6283 2110																					

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<b>C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
<b>Category*</b>	<b>Citation of document, with indication, where appropriate, of the relevant passages</b>	<b>Relevant to claim No.</b>
A	GB 2261248 A (ABRU ALUMINIUM LIMITED) 12 May 1993	

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.  
PCT/AU2004/000824

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member			
EP	0550578	AU 85399/91 FI 931313 US 5501053	BR 9106902 NO 931121 WO 9205893	CA 2092810 SG 63586		
SU	1558529	NONE				
DT	2459421	NONE				
WO	9423149	AU 53560/96 CA 2159492 HU 72379 SK 122095 US 5692353 WO 9630606	AU 66992/94 CZ 9502513 NZ 265766 US 5499480 US 5842318 ZA 9602401	BR 9405803 EP 0692053 PL 320748 US 5664388 US 5904025		
GB	2261248	EP 0540325				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX